

## EAST SEARCH

9/20/05

L#	Hits	Search String	Databases
S1	2		20030144824 US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S2	18	((integrated or digital) near2 circuit\$1) with ("radio frequency" or RF) with simulat\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S3	0	((integrated or digital) near2 circuit\$1) with "mixed frequency" with simulat\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S4	0	((integrated or digital) near2 circuit\$1) with "mixed frequency") same simulat\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S5	1	("mixed frequency" near2 circuit\$1) with simulat\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S6	39	((integrated or digital) near2 circuit\$1) with ("radio frequency" or RF) same simulat\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S7	1	("radio frequency" or RF) with circuit\$1) with ("differential algebraic" near2 equation\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S8	4	("radio frequency" or RF) with circuit\$1) with (differential near2 equation\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S9	1	("radio frequency" or RF) with circuit\$1) with (algebraic near2 equation\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S10	160	("radio frequency" or RF) with circuit\$1) with simulat\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S11	179	S6 or S10	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S12	4	S8 or S9	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S13	16	S11 and (time near2 interval\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S14	47	S11 and (polynomial or solution)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S15	10	S11 and (discretiz\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S16	3	S11 and (collocation)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S17	6	S11 and (chebyshev)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S18	47	S11 and (polynomial\$1 or solution\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S19	3	S11 and (polynomial\$1 with degree)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S20	1	S11 and (polynomial\$1 with interpolat\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S21	3	S11 and (polynomial\$1 same interpolat\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S22	5	S14 and (derivative\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S23	33	S11 and (coefficient\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S24	13	S11 and ((initial or boundary) near2 value)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S25	1	S11 and (neighbor\$3 near2 interval\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S26	3	S11 and ((first or last) near2 interval\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S27	7	S11 and ((Newton or Raphson) near2 method\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S28	1	S11 and (linear near2 jacobian)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S29	2	S11 and (jacobian)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S30	4	S11 and (linear near2 iterative)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S31	1	S11 and (accuracy with interval\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S33	1	S11 and (smooth with solution\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S34	3	S11 and (split\$4 with interval\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S35	2	S11 and (divid\$3 with interval\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S36	3	S11 and (preconditioner\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S37	0	S11 and (pre-conditioner\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S38	4	S11 and ((capacitance or conductance) near2 (matrix or matrices))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB

S39	179	(((integrated or digital) near2 circuit\$1) with ("radio frequency" or RF) same simulat\$3) or (((	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S40	78	S1 and ((time near2 interval\$1) or (polynomial or solution) or (discretiz\$5) or (collocation) or	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S41	3	collocation with chebyshev	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S42	4237	((integrated or digital) near2 circuit\$1) with simulat\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S43	1361	simulat\$3 with (time near2 interval\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S44	2	S43 and ((time near2 interval\$1) with collocation)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S45	12	S43 and (polynomial with degree)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S46	98	S42 and S43	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S47	1	S42 and (simulat\$3 with (time near2 interval\$1) same (polynomial with degree))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S48	0	S42 and ("differential algebraic" near2 equation\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S49	6697	((integrated or digital) near2 circuit\$1) same simulat\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S50	14	S42 and ("differential algebraic" near2 equation\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S51	14	S49 and ("differential algebraic" near2 equation\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S52	2	S51 and (boundary with intervals)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S53	2		20030144824
S54	1	S53 and (order with accuracy)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S55	46	((integrated or digital) near2 circuit\$1) with ("radio frequency" or RF) same simulat\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S56	179	("radio frequency" or RF) with circuit\$1) with simulat\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S57	202	S55 or S56	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S58	8	S57 and (accuracy with order)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S59	3	S57 and (solution with order)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S60	1	S57 and (interval with convergence)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S61	4	S57 and (periodic near2 boundary near2 condition\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S62	99	("radio frequency" or RF) near2 circuit\$1) with simulat\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S63	196	("radio frequency" or RF) with circuit\$1) with simulat\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S64	109	("differential algebraic" near2 equation\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S65	36	(differential-algebraic near2 equation\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S66	109	S64 or S65	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S67	301	S63 or S66	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S68	57	S67 and ((simulat\$3 or solution or time) near2 interval\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S69	3	S68 and (collocat\$3 with (point\$1 or method\$1))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S73	6	S68 and (order near2 solution)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S74	8	S68 and (order near2 (high or low))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S75	0	S68 and (coverage near2 (high or low))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S76	57	S68 or S69 or S70 or S71 or S72 or S73 or S74	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S70	1	S68 and ((smooth or non-smooth) with (interval\$1 or solution\$1))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S71	4	S68 and (order near2 accuracy)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S72	3	S68 and ((divid\$3 or split\$4 or partition\$3) near2 interval\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB

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## Results of search set S40:

Document Kind	Codes	Title	Issue Date	Current OR	Abstract
US	20040153982	A1	Signal flow driven circuit analysis and partition technique	20040805 716/4	
US	20040031001	A1	MOSFET modeling for IC design accurate for high frequencies	20040212 716/4	
US	20030144824	A1	Method and device for multi-interval collocation for efficient high accuracy circuit simulation	20030731 703/14	
US	20030141953	A1	Monolithic transformer compensated circuit	20030731 336/182	
US	20030128085	A1	Printed bandpass filter for a double conversion tuner	20030710 333/204	
US	20030128084	A1	Compact bandpass filter for double conversion tuner	20030710 333/202	
US	20030071645	A1	Method of generating transistor AC scattering parameters simultaneously with DC characteris	20030417 324/765	
US	20030065493	A1	Method for determining periodically stationary solutions for a technical system	20030403 703/2	
US	20030043086	A1	Antenna system and RF signal interference abatement method	20030306 343/909	
US	20030031103	A1	Information reproduction apparatus and optical recording medium	20030213 369/47.17	
US	20020186168	A1	Balanced antenna structure for bluetooth 2.4 GHz physical region semiconductor integrated c	20021212 343/700MS	
US	20020181547	A1	FMOD transceivers including continuous and burst operated TDMA, FDMA, spread spectrum	20021205 375/130	
US	20020177988	A1	Method for simulating the dispersion of an electronic circuit for use in an iterative process	20021128 703/14	
US	20020123872	A1	Method and apparatus for simulating manufacturing, electrical and physical characteristics of	20020905 703/15	
US	20020047697	A1	Solid state RF oscillator-detector for flow cytometer	20020425 324/71.1	
US	20010002202	A1	FMOD TRANSCIEVERS INCLUDING CONTINUOUS AND BURST OPERATED TDMA, FDM	20010531 375/130	
US	6728942	B2	Method and system for predictive MOSFET layout generation with reduced design cycle	20040427 716/10	
US	6725021	B1	Method for tuning an envelope tracking amplification system	20040420 455/115.1	
US	6721358	B1	Signal synthesizer and method thereof	20040413 375/229	
US	6687658	B1	Apparatus and method for reduced-order modeling of time-varying systems and computer sto	20040203 703/2	
US	6674409	B2	Balanced antenna structure for bluetooth 2.4 GHz physical region semiconductor integrated c	20040106 343/795	
US	6643597	B1	Calibrating a test system using unknown standards	20031104 702/104	
US	6642737	B2	METHOD OF GENERATING TRANSISTOR AC SCATTERING PARAMETERS SIMULTANE	20031104 324/769	
US	6636839	B1	Method for determining the steady state behavior of a circuit using an iterative technique	20031021 706/1	
US	6618837	B1	MOSFET modeling for IC design accurate for high frequencies	20030909 716/4	
US	6560567	B1	Method and apparatus for measuring on-wafer lumped capacitances in integrated circuits	20030506 703/2	
US	6552529	B1	Method and apparatus for interim assembly electrical testing of circuit boards	20030422 324/158.1	
US	6527558	B1	Interactive education system for teaching patient care	20030304 434/262	
US	6504885	B1	System and method for modeling mixed signal RF circuits in a digital signal environment	20030107 375/350	
US	6493849	B1	Method for determining the steady state behavior of a circuit using an iterative technique	20021210 716/4	
US	6452372	B1	Duet jet rf oscillator-detector for flow cytometer	20020917 324/71.1	
US	6445749	B2	FMOD transceivers including continuous and burst operated TDMA, FDMA, spread spectrum	20020903 375/298	
US	6424959	B1	Method and apparatus for automatic synthesis, placement and routing of complex structures	20020723 706/13	
US	6405341	B1	Multi-dimensional pseudo noise generating circuit for soft-decision decoding	20020611 714/780	
US	6397171	B1	Method and apparatus for modeling electromagnetic interactions in electrical circuit metalizati	20020528 703/14	
US	6388512	B1	Process for a high efficiency Class D microwave power amplifier operating in the S-Band	20020514 330/2	
US	6349272	B1	Method and system for modeling time-varying systems and non-linear systems	20020219 703/2	
US	6324493	B1	Method and apparatus for modeling electromagnetic interactions in electrical circuit metalizati	20011127 703/13	

US 6323632 B1	Solid state RF oscillator-detector for flow cytometer	20011127 324/71.1
US 6215295 B1	Photonic field probe and calibration means thereof	20010410 324/95
US 6181754 B1	System and method for modeling mixed signal RF circuits in a digital signal environment	20010130 375/350
US 6151698 A	Method for determining the steady state behavior of a circuit using an iterative technique	20001121 716/1
US 6067041 A	Moving target simulator	20000523 342/171
US 6054966 A	Antenna operating in two frequency ranges	20000425 343/895
US 6041170 A	Apparatus and method for analyzing passive circuits using reduced-order modeling of large li	20000321 703/2
US 6026286 A	RF amplifier, RF mixer and RF receiver	20000215 455/327
US 5995733 A	Method and apparatus for efficient design and analysis of integrated circuits using multiple tin	19991130 716/6
US 5973638 A	Smart antenna channel simulator and test system	19991026 342/172
US 5945947 A	Synthetic doppler direction finder for use with FSK encoded transmitters	19990831 342/442
US 5920484 A	Method for generating a reduced order model of an electronic circuit	19990706 703/2
US 5844821 A	Systems and methods for determining characteristics of a singular circuit	19981201 716/4
US 5812008 A	Logarithmic converter	19980922 327/350
US 5784402 A	FMOD transceivers including continuous and burst operated TDMA, FDMA, spread spectrum	19980721 375/130
US 5552710 A	Method and automatic auxiliary device for tuning of an NMR receiving coil	19960903 324/322
US 5491457 A	F-modulation amplification	19960213 332/103
US 5467291 A	Measurement-based system for modeling and simulation of active semiconductor devices ove	19951114 703/14
US 5457463 A	Radar return signal simulator	19951010 342/169
US 5422596 A	High power, broadband folded waveguide gyrotron-traveling-wave-amplifier	19950606 330/4
US 5387868 A	Magnetic resonance apparatus	19950207 324/318
US 5051373 A	Method of fabricating MMIC semiconductor integrated circuits using the RF and DC measurer	19910924 438/10
US 4845642 A	Display device for complex transmission reflection characteristics	19890704 345/440
US 4811032 A	Method for monitoring and controlling an antenna selector and antenna selector for carrying c	19890307 343/876
US 4454513 A	Simulation of an electronic countermeasure technique	19840612 342/174
US 4453257 A	Spectrum shaping microwave digital modulators	19840605 375/296
US 4334866 A	Radar signal simulator	19820615 342/169
US 4168502 A	Digitally controlled signal simulator	19790918 342/172
US 4034983 A	Electronic games	19770712 463/3
US 3975939 A	Methods of and apparatus for simulating ultrasonic pulse echoes	19760824 73/1.86
US 3946315 A	Single frequency signalling in a radiotelephone communication system with idle condition sigr	19760323 455/423
US 3898662 A	Radar target simulator using no electrical connection to radar	19750805 342/15
US 3761825 A	MULTIPATH SIMULATOR FOR MODULATED R.F. CARRIER SIGNALS	19730925 455/303
JP 2001099881 A	INSPECTION EQUIPMENT	20010413
JP 2000250958 A	METHOD FOR DESIGNING FIELD EFFECT TRANSISTOR MODEL	20000914
EP 1160698 A	Multi-interval-Chebyshev method for solving boundary-value differential equations in radio fre	20011205
US 6151698 A	Periodic steady state response determination in circuit simulation tool, involves storing data re	20001121
US 6349272 B	Reduced order model generation for simulating systems with non-linear and time varying elen	20020219
US 4454513 A	Simulation of electronic counter-measure technique in radar system - passes ECM signals an	19840612
EP 76095 B	Direct conversion radio receiver for FSK signals - has demodulator approximating analogue o	19860730

US 20050187747 A1	Method and apparatus for improved simulation of chemical and biochemical reactions	20050825 703/11
US 20050187746 A1	Method and apparatus for improved modeling of chemical and biochemical reactions	20050825 703/11
US 20050187745 A1	Method and apparatus facilitating communication with a simulation environment	20050825 703/11
US 20050187717 A1	Method and apparatus for integrated modeling, simulation and analysis of chemical and biot	20050825 702/19
US 20050171746 A1	Network models of complex systems	20050804 703/2
US 20050160128 A1	Methods and systems for power systems analysis	20050721 708/446
US 20050143173 A1	Magical wand and interactive play experience	20050630 463/37
US 20050131663 A1	Simulating patient-specific outcomes	20050616 703/11
US 20050120315 A1	Simulation model for designing semiconductor devices, apparatus for simulating the designi	20050602 716/4
US 20050107998 A1	Propagation of characteristics in a graphical model environment	20050519 703/22
US 20050060129 A1	Automated approach to resolving artificial algebraic loops	20050317 703/2
US 20050033521 A1	Method for predicting responses to PDE4 inhibitors using biomarkers	20050210 702/19
US 20040260421 A1	Dynamic on-line optimization of production processes	20041223 700/128
US 20040254309 A1	Use of cumulative distributions to improve reactor control	20041216 526/59
US 20040236557 A1	Method for simulation of electronic circuits and N-port systems	20041125 703/14
US 20040210592 A1	System and method for using execution contexts in block diagram modeling	20041021 707/101
US 20040210426 A1	Simulation of constrained systems	20041021 703/2
US 20040204240 A1	Magical wand and interactive play experience	20041014 463/36
US 20040186698 A1	Mechanism simulation method and mechanism simulation program	20040923 703/2
US 20040115647 A1	Apparatus and method for identifying biomarkers using a computer model	20040617 435/6
US 20040088116 A1	Methods and systems for creating and using comprehensive and data-driven simulations of b	20040506 702/20
US 20040054702 A1	Method for on-demand generation of individual random numbers of a sequence of random nu	20040318 708/250
US 20030154225 A1	Method for determining Hopf bifurcation points of a periodic state description of a technical sy	20030814 708/446
US 20030154059 A1	Simulation apparatus and simulation method for a system having analog and digital elements	20030814 703/2
US 20030144824 A1	Method and device for multi-interval collocation for efficient high accuracy circuit simulation	20030731 703/14
US 20030101031 A1	Method for generating at least one sequence of random numbers approximated to sequences	20030529 703/2
US 20030046050 A1	Method of providing integration of atomistic and substructural multi-body dynamics	20030306 703/12
US 20020198695 A1	Method for large timesteps in molecular modeling	20021226 703/11
US 20020193979 A1	Apparatus and method for validating a computer model	20021219 703/22
US 20020183990 A1	Circuit simulation	20021205 703/2
US 6801881 B1	Method for utilizing waveform relaxation in computer-based simulation models	20041005 703/2
US 6636839 B1	Method for determining the steady state behavior of a circuit using an iterative technique	20031021 706/1
US 6556954 B1	Method and device for determining a fault in a technical system	20030429 702/185
US 6493849 B1	Method for determining the steady state behavior of a circuit using an iterative technique	20021210 716/4
US 6349272 B1	Method and system for modeling time-varying systems and non-linear systems	20020219 703/2
US 6195623 B1	Time-frequency method and apparatus for simulating the initial transient response of quartz o	20010227 703/2
US 6154716 A	System and method for simulating electronic circuits	20001128 703/2
US 6151698 A	Method for determining the steady state behavior of a circuit using an iterative technique	20001121 716/1
US 5999714 A	Method for incorporating noise considerations in automatic circuit optimization	19991207 716/2
US 5980096 A	Computer-based system, methods and graphical interface for information storage, modeling ε	19991109 707/100
US 5973638 A	Smart antenna channel simulator and test system	19991026 342/172
US 5945947 A	Synthetic doppler direction finder for use with FSK encoded transmitters	19990831 342/442
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US 5986908 A	Method of efficient gradient computation	19990323 703/2	
US 5719787 A	Method for on-line dynamic contingency screening of electric power systems	19980217 700/293	
US 5880590 A	Simulation system and method of using same	19971021 703/2	
US 5842000 A	Method for preventing power collapse in electric power systems	19970624 307/31	
US 5629845 A	Parallel computation of the response of a physical system	19970513 700/67	
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US 4168502 A	Digitally controlled signal simulator	19790918 342/172	
US 3975939 A	Methods of and apparatus for simulating ultrasonic pulse echoes	19760824 73/1.86	
US 3946315 A	Single frequency signalling in a radiotelephone communication system with idle condition sigr	19760323 455/423	
US 3898662 A	Radar target simulator using no electrical connection to radar	19750805 342/15	
EP 1160698 A	Multi-interval-Chebyshev method for solving boundary-value differential equations in radio fre	20011205	13
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